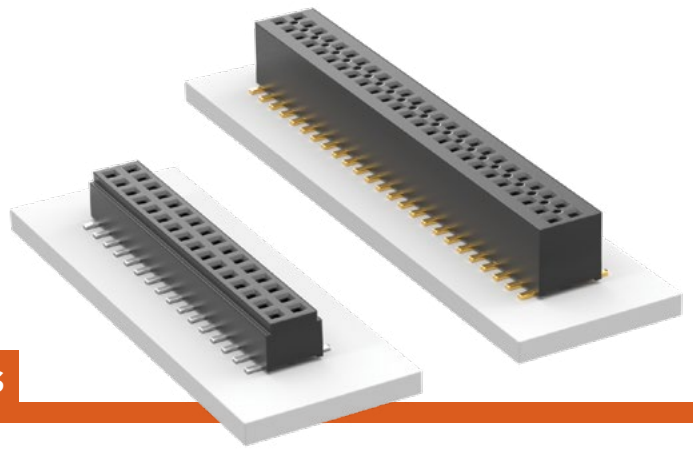


RUGGED RELIABLE MICRO SOCKETS

(1.00 mm) .0394" PITCH • CLM/MLE SERIES



CLM

Mates:
FTM, FTMH, MW

MLE

Mates:
FTM, FTMH, MW

SPECIFICATIONS

Insulator Material: Black LCP
Contact Material:

CLM: Phosphor Bronze
MLE: BeCu

Plating:

CLM: Au or Sn over
50 μ " (1.27 μ m) Ni
MLE: Au over 10 μ " (0.25 μ m) Ni

Current Rating (CLM/FTM):

2.8 A per pin
(2 pins powered)

Current Rating (MLE/FTM):

2.9 A per pin (2 pins powered)

Operating Temp Range:

-55 °C to +125 °C

Max Cycles:

CLM: 100 with 10 μ " (0.25 μ m) Au

Voltage Rating:

MLE: 310 VAC

Insertion Depth:

CLM:

Top Entry = (1.40 mm) .055" min.,

Bottom Entry =

(2.41 mm) .095" min.
(Add board thickness for correct post OAL)

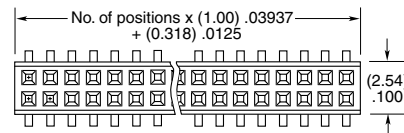
MLE:

(1.63 mm) .064" to
(3.18 mm) .125" with
(0.38 mm) .015" wiper,
pass-through, or (2.44 mm) .096"
minimum for bottom entry

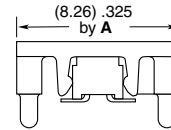
Normal Force:

CLM: 40 grams (0.39 N) average

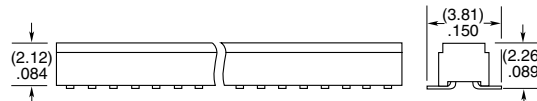
**TIGER
CLAW
CONTACT**



PIN/ROW	A
04-15	(3.56) .140
16-50	(7.11) .280

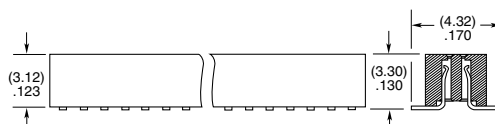
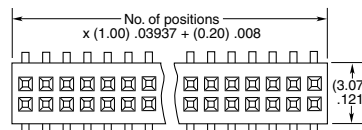


-PA



-P

**TIGER
BEAM
CONTACT**



-P

-A

PROCESSING

Lead-Free Solderable:

Yes

SMT Lead Coplanarity:

(0.10 mm) .004" max (02-25)

(0.15 mm) .006" max (26-50)*

*(.004" stencil solution
may be available; contact
ipg@samtec.com)

ALSO AVAILABLE

MOQ Required

Alignment pin

Other Gold plating options



Note:
Some lengths, styles and
options are non-standard,
non-returnable.

MLE

- 1

NO. PINS
PER ROW

- 01

PLATING
OPTION

- DV

OPTIONS

02 thru 50

-G

= 10 μ "
(0.25 μ m)
Gold

-A

= Alignment Pin
(3 positions minimum)
Metal or plastic
at Samtec discretion

-K

= (4.00 mm) .1575" DIA
Polyimide film
Pick & Place Pad
(5 positions minimum)

-P

= Metal Pick & Place Pad
(5 positions minimum)

-TR

= Tape & Reel

-FR

= Full Reel Tape & Reel
(must order maximum
quantity per reel;
contact Samtec for
quantity breaks)